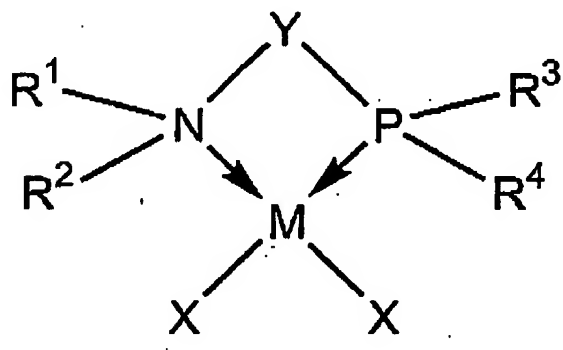


Amendments to the Specification:

Please amend the abstract as follows:

As series of novel late transition metal catalysts for olefin oligomerization have been invented. The catalyst system includes a Group 8, 9 or 10 transition metal and an activator. The catalysts demonstrate high activity and selectivity for linear α -olefins. Preferably this invention relates to a catalyst system comprising the reaction product of:
(a) an activator selected from the group consisting of alumoxane, aluminum alkyl, alkyl aluminum halide, alkylaluminum alkoxide, discrete ionic activator, and Lewis acid; and
(b) a catalyst precursor wherein the catalyst precursor has the following formula:



wherein (i) M is a Group-8, -9, or -10 transition metal; (ii) N is nitrogen;
(iii) P is phosphorus; (iv) R¹, R², R³, and R⁴ are independently hydrocarbyl radicals; (v) Y
is a hydrocarbyl bridge comprising a backbone wherein the backbone comprises a chain
that is four or more carbon atoms long; (vi) X are independently abstractable ligands.